

SEQUENCE LISTING



<110> Crofts, Linda Anne  
Hancock, Manuela S.  
Morrison, Nigel A.  
Eisman, John A.

<120> Isoforms of the Human Vitamin D Receptor

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<141> 2000-09-15

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gggagatgat	cctgaagcgg
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35     40     45
Ser Gly Met Glu Ala Met Ala Ala Ser Thr Ser Leu Pro Asp Pro Gly
50     55     60
Asp Phe Asp Arg Asn Val Pro Arg Ile Cys Gly Val Cys Gly Asp Arg
65     70     75     80
Ala Thr Gly Phe His Phe Asn Ala Met Thr Cys Glu Gly Cys Lys Gly
85     90     95
Phe Phe Arg Arg Ser Met Lys Arg Lys Ala Leu Phe Thr Cys Pro Phe
100    105    110
Asn Gly Asp Cys Arg Ile Thr Lys Asp Asn Arg Arg His Cys Gln Ala
115    120    125
Cys Arg Leu Lys Arg Cys Val Asp Ile Gly Met Met Lys Glu Phe Ile
130    135    140
Leu Thr Asp Glu Glu Val Gln Arg Lys Arg Glu Met Ile Leu Lys Arg
145    150    155    160
Lys Glu Glu Glu Ala Leu Lys Asp Ser Leu Arg Pro Lys Leu Ser Glu
165    170    175
Glu Gln Gln Arg Ile Ile Ala Ile Leu Leu Asp Ala His His Lys Thr
180    185    190
Tyr Asp Pro Thr Tyr Ser Asp Phe Cys Gln Phe Arg Pro Pro Val Arg
195    200    205
Val Asn Asp Gly Gly Gly Ser His Pro Ser Arg Pro Asn Ser Arg His
210    215    220
Thr Pro Ser Phe Ser Gly Asp Ser Ser Ser Ser Cys Ser Asp His Cys
225    230    235    240
Ile Thr Ser Ser Asp Met Met Asp Ser Ser Ser Phe Ser Asn Leu Asp
245    250    255
Leu Ser Glu Glu Asp Ser Asp Asp Pro Ser Val Thr Leu Glu Leu Ser
260    265    270
Gln Leu Ser Met Leu Pro His Leu Ala Asp Leu Val Ser Tyr Ser Ile
275    280    285
Gln Lys Val Ile Gly Phe Ala Lys Met Ile Pro Gly Phe Arg Asp Leu
290    295    300

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Ile	Met	Leu	Arg	Ser	Asn	Glu	Ser	Phe	Thr	Met	Asp	Asp	Met	Ser	Trp
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Thr	Cys	Gly	Asn	Gln	Asp	Tyr	Lys	Tyr	Arg	Val	Ser	Asp	Val	Thr	Lys
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Ala	Gly	His	Ser	Leu	Glu	Leu	Ile	Glu	Pro	Leu	Ile	Lys	Phe	Gln	Val
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Gly	Leu	Lys	Lys	Leu	Asn	Leu	His	Glu	Glu	Glu	His	Val	Leu	Leu	Met
	370					375					380				
Ala	Ile	Cys	Ile	Val	Ser	Pro	Asp	Arg	Pro	Gly	Val	Gln	Asp	Ala	Ala
385					390					395					400
Leu	Ile	Glu	Ala	Ile	Gln	Asp	Arg	Leu	Ser	Asn	Thr	Leu	Gln	Thr	Tyr
				405					410					415	
Ile	Arg	Cys	Arg	His	Pro	Pro	Pro	Gly	Ser	His	Leu	Leu	Tyr	Ala	Lys
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Met	Ile	Gln	Lys	Leu	Ala	Asp	Leu	Arg	Ser	Leu	Asn	Glu	Glu	His	Ser
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Lys	Gln	Tyr	Arg	Cys	Leu	Ser	Phe	Gln	Pro	Glu	Cys	Ser	Met	Lys	Leu
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<212> PRT

<213> Homo sapiens

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Leu	Pro	Asp	Pro	Gly	Asp	Phe	Asp	Arg	Asn	Val	Pro	Arg	Ile	Cys	Gly
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Ala	His	His	Lys	Thr	Tyr	Asp	Pro	Thr	Tyr	Ser	Asp	Phe	Cys	Gln	Phe
				165					170					175	
Arg	Pro	Pro	Val	Arg	Val	Asn	Asp	Gly	Gly	Gly	Ser	His	Pro	Ser	Arg
			180					185					190		
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 260 265 270  
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 275 280 285  
 Ser Ala Ile Glu Val Ile Met Leu Arg Ser Asn Glu Ser Phe Thr Met  
 290 295 300  
 Asp Asp Met Ser Trp Thr Cys Gly Asn Gln Asp Tyr Lys Tyr Arg Val  
 305 310 315 320  
 Ser Asp Val Thr Lys Ala Gly His Ser Leu Glu Leu Ile Glu Pro Leu  
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 Ile Lys Phe Gln Val Gly Leu Lys Lys Leu Asn Leu His Glu Glu Glu  
 340 345 350  
 His Val Leu Leu Met Ala Ile Cys Ile Val Ser Pro Asp Arg Pro Gly  
 355 360 365  
 Val Gln Asp Ala Ala Leu Ile Glu Ala Ile Gln Asp Arg Leu Ser Asn  
 370 375 380  
 Thr Leu Gln Thr Tyr Ile Arg Cys Arg His Pro Pro Pro Gly Ser His  
 385 390 395 400  
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 <213> Homo sapiens

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 35 40 45

Arg Arg Ser Met Lys Arg Lys Ala Leu Phe Thr Cys Phe Phe Asn Gly  
 50 55 60  
 Asp Cys Arg Ile Thr Lys Asp Asn Arg Arg His Cys Gln Ala Cys Arg  
 65 70 75 80  
 Leu Lys Arg Cys Val Asp Ile Gly Met Met Lys Glu Phe Ile Leu Thr  
 85 90 95  
 Asp Glu Glu Val Gln Arg Lys Arg Glu Met Ile Leu Lys Arg Lys Glu  
 100 105 110  
 Glu Glu Ala Leu Lys Asp Ser Leu Arg Pro Lys Leu Ser Glu Glu Gln  
 115 120 125  
 Gln Arg Ile Ile Ala Ile Leu Leu Asp Ala His His Lys Thr Tyr Asp  
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 Pro Thr Tyr Ser Asp Phe Cys Gln Phe Arg Pro Pro Val Arg Val Asn  
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 Asp Gly Gly Gly Ser His Pro Ser Arg Pro Asn Ser Arg His Thr Pro  
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 Ser Phe Ser Gly Asp Ser Ser Ser Ser Cys Ser Asp His Cys Ile Thr  
 180 185 190  
 Ser Ser Asp Met Met Asp Ser Ser Ser Phe Ser Asn Leu Asp Leu Ser  
 195 200 205  
 Glu Glu Asp Ser Asp Asp Pro Ser Val Thr Leu Glu Leu Ser Gln Leu  
 210 215 220  
 Ser Met Leu Pro His Leu Ala Asp Leu Val Ser Tyr Ser Ile Gln Lys  
 225 230 235 240  
 Val Ile Gly Phe Ala Lys Met Ile Pro Gly Phe Arg Asp Leu Thr Ser  
 245 250 255  
 Glu Asp Gln Ile Val Leu Leu Lys Ser Ala Ile Glu Val Ile Met  
 260 265 270  
 Leu Arg Ser Asn Glu Ser Phe Thr Met Asp Asp Met Ser Trp Thr Cys  
 275 280 285  
 Gly Asn Gln Asp Tyr Lys Tyr Arg Val Ser Asp Val Thr Lys Ala Gly  
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 His Ser Leu Glu Leu Ile Glu Pro Leu Ile Lys Phe Gln Val Gly Leu  
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 Lys Lys Leu Asn Leu His Glu Glu Glu His Val Leu Leu Met Ala Ile  
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 Cys Ile Val Ser Pro Asp Arg Pro Gly Val Gln Asp Ala Ala Leu Ile  
 340 345 350  
 Glu Ala Ile Gln Asp Arg Leu Ser Asn Thr Leu Gln Thr Tyr Ile Arg  
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 Cys Arg His Pro Pro Pro Gly Ser His Leu Leu Tyr Ala Lys Met Ile  
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 <213> Homo sapiens

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<210> 18

<211> 1382

<212> DNA

<213> Homo sapiens

<400> 18

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<210> 19

<211> 1534

<212> DNA

<213> Homo sapiens

<400> 19

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<210> 20

<211> 1574

<212> DNA

<213> Homo sapiens

<400> 20

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<210> 21

<211> 22

<212> PRT

<213> Homo sapiens

<400> 21

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Arg	Thr	Ala	Gly	Val	Glu										
				20											